SEASON'S GREETINGS FROM THE STAFF OF FLORIDA SKIP

SUBSCRIPTION EXPIRES THIS ISSUE

[redacted]

FLORIDA SKIP

VOL. 17, NO. 8 THE ALL-FLORIDA RADIO AMATEUR'S PUBLICATION JANUARY/1974 Price 30c

Fla. Repeaters Slowly Getting WR Calls

By Howard Kelley, K4DSN

The squeaky wheels of government have probably never moved as slowly as they have in turning out new WR calls for the nation's repeaters. Some Florida repeaters are into their ninth month of waiting.

Waiting, too, are several new repeaters that can't take advantage of the Commission's prolonging of existing repeater operations.

Here is a compilation of new calls current to December 1, 1973.

WR4ACV	Boca Raton
WR4ADC	Daytona Beach
WR4ADU	Ft. Lauderdale
	Ft. Myers
	Ft. Pierce
WR4ABZ	Ft. Walton Bch.
WR4ACE	Gainesville
WR4ACC	Hollywood
WR4AAF	Jacksonville
	Melbourne
	Merritt Is.
	Miami
	Orlando
	Panama City
WR4ACZ	Pensacola
WR4ADL	Pensacola
WR4AAB	Tallahassee
	Tampa

It may be early Spring before everyone who is currently waiting for a new repeater license gets serviced by the FCC. Already, two new repeaters are awaiting licenses in Jacksonville, likewise for Orlando where three repeater groups are reportedly awaiting the go-ahead from the Commission.

In next month's edition of **Florida Skip** an updated Florida Repeater Directory and coverage map will be published.

ELECTION RESULTS

The ARRL committee of tellers met today (Nov. 20th) to count ballots in the elections just concluded for Director and Vice Director. The number of votes credited to each candidate is as follows. The first listed candidate is declared elected for the next term of office which begins January 1, 1974.

Southeastern for Vice Director: Theodore R. Wayne WB4CBP, 1,714. Evelyn D. Gauzens W4WYR, 710, and C. James Roux K4THA, 617.

Larry E. Price W4DQD, unopposed takes office on the same date.

Congratulations to all candidates for a most spirited and interesting campaign. Both Larry and Ted will be at the 1974 Miami Hamboree to talk and meet with ARRL members. Look for 'em.

Results of the South Florida SCM office will be announced next month, we hope.

IMMOKALEE HAMFEST gathering of the LIARS. (Long Island Amateur Radio Society) L. to R.: (front) K4CMJ, K4NI, K4OC, K4GFK. (Back row) W4KTE, K4JW, W4TXA, W4GHR, W4TKY, K4GZ, K4EPK. (Photo by W4BAV).

SWAPFEST

The Playground Amateur Radio Club of Fort Walton Beach, Florida announces the Fourth Annual North Florida SWAPFEST to be held on Sunday, March 31, 1974 at the Community Center located on Highway 98. Talk-in will be on VHF FM 146.94 and 146.52 mhz Simplex and 146.19-79 repeater WR4ABZ.

Tickets and information are available from the Playground Amateur Radio Club, P.O. Box 873, Fort Walton Beach, Florida.

JAX HAMS PLAN FIRST AREA HAMFEST

Jacksonville area hams have announced their first attempt at a hamfest. The Bold City Hamfest Assn. will swing the doors open at the Jacksonville Beach Municipal Auditorium on March 30 and 31.

All four Jacksonville amateur radio clubs have been asked to participate in the local combine that's organizing the event. However, no one club is destined to be the hamfest benefactor or beneficiary.

Heading the specially organized hamfest group is Doug Jacques, WA4QIM, twice past-president of Jacksonville Range Assn. (WR4AAF).

Jacques says the Sunday closing of Florida service stations is a primary concern. However, arrangements are being made with selected stations in Melbourne, Tallahassee, Valdosta and in Jacksonville to serve as designated refueling stops for travelling hams.

A large swap-fest will be a main feature of the hamfest that will be home-based in the spacious Jacksonville Beach auditorium-colisum. A half-dozen new motels are convenient to the convention site. and the Atlantic Ocean comes to the doorstep of the coliseum.

A large commercial display area will be available to manufacturers and distributors.

The Bold City Hamfest will be of special interest to FMers ... and there will be plenty of door prizes and events for the non-ham members of the family.

One dollar will get you a pre-registration ticket and plenty of material on motel room rates and other attractions along Jacksonville Beach.

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1

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FLORIDA SKIP

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Winner of Thirty National ARNS Awards
BUSINESS MGR.—Betty Clark, W4GGQ
Special Asst's—Vance Murr, W4FWI
Pat & Bob Denton, WB4FGL

Box 501, Miami Springs, Fla. 33166

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Deadline—10th of month in Box 501, Miami Springs, Fla. 33166.

Any item in FLORIDA SKIP may be reprinted in any other amateur radio publication in the world with a credit line. —Editor

OM, Nominate your XYL for our Skip Dear Mable Award. A most unusual award. Free to members. Give her full name, your call and mailing address. —Editor.

FLORIDA SKIP CORRESPONDENTS

ONYX, MABEL, THE OLD TIMER c-o Florida Skip, P.O. Box 501, Miami Springs, 33166.

Q.C.W.A. Suwannee Chapter, K4WJ
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Q.C.W.A. SE Chaoter, W4JO
Q.C.W.A. Citrus Chapter, W4NGR
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NAVY MARS, WB4FSF-N0PJQ (N)
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VHF—K4GT, Tampa
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Floridora, W4BAV, Sarasota
Orlando, ARC, K4DGR
Suncoast Roving Rptr., W4BAV, Sarasota
TARC, K4GT, Tampa
Tampa Repeater, WA4AGX
Jax. Range Assn., WB4ZIV
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Clearwater ARS, WB4BFZ
So. Miami ARC, WB4PIA, Miami
Panama City ARC, WA4IMC

THIRD IMMOKALEE HAMFEST

By Cathy Soehl, W4BAV-ARNS

Over 350 enjoyed the 3rd Immokalee Hamfest, November 17th. W4VGE, Jim Lester and WA4DEE, Nash Lloyd and all their helpers, including Jim's Trustees, are to be congratulated in feeding such a large crowd delicious steaks, Bar-B-Qued wild boar, corn on the cob, baked beans and immense salad bowl filled with fresh, iced vegetables.

Many organizations were represented, including Floridoras, Ex-LIARS (Long Island Amateur Radio Society), Country Cousins, etc. and, although no meetings were held, there was a lot of "shutterbugs" at work.

Big vote of thanks to the only two hams in Immokalee and those who made this all possible. Imagine W4VGE and WA4DEE are going to need much more help and food next year.

TO THE EDITOR

Editor:

Received my last SKIP and appreciate it immensely. I really enjoy reading the happenings in Florida, even though I'm in Virginia. I've telephoned the FCC hotline as listed in Florida SKIP as I live in telephone (free) distance from the Washington office. It sure is nice to hear the latest FCC news. I've been taking an FBI fingerprint technology course and will get a grade in pay increase soon. Please remember me to my Florida friends. Seasons greetings.

73,

Tom Smith, WB4RGQ-4
Alexandria, VA.

Editor:

Re WN4CIF's letter in December 1973 SKIP. Hasn't he ever watched TV, been to Movies or read portions of our most recent dictionaries? That's the silliest "damn" letter I've ever read.

73,

Paul Gieselmann, Jr., K4KIQ
Vero Beach, FL.

Editor:

Let's support the ARRL petition concerning the recurring license examination fee. The FCC made $27.00 off me for only 15 minutes of work. Not bad, especially when you get a 30 day break every 5 minutes. Now waiting new call via U.S. Snail.

73,

Duane Farmer, WB4???
Tallahassee, FL

Dear Andy:

Please find enclosed SASE for my 1974 Skip Calendar. Also would like to say how much I enjoy Skip and everything in it. Especially the VHF'ers ROOST by K4GT (Girl Teaser). Frank Shannon does a good job reporting. Since I am new to amateur radio this is my way of getting even with Frank. He put a plug in Skip about my call sign.

With the cost of everything going sky high, it's nice to know you can get so much enjoyment for only $2.00. Keep up the good work.

73,

V.W. (Bud) Roney, Jr. WB4EEE
Pinellas Park, FL.

Editor:

You asked for pet peeves. Starting with Incentive Licensing (which I still hate), the lack of confidence shown by the FCC to hams, as shown by their picayune citations, while the CB'ers so more or less free. Even seem to be getting some of the 220 MHz band. As hams, we could police ourselves, and leave more time for the FCC to cite the kilowatts etc., run by the CB'ers. A good example is the Repeater Rules for the hams. Anyway, peeves aside, I still love ham radio and I am so glad to have my license. Keep up the good work and best to all the SKIP staffers.

73,

Bertha (Big Mike), WA4BMC
Lake Worth, Fla.

Editor:

"Peeves" you say! Who the heck could have a complaint on FLORIDA SKIP? It has the most complete run down on what's going on in Florida Hamland as well as

(Continued on page 14)

EDITORIAL
IMPORTANT NOTICE

FLORIDA SKIP was official, born at the Orlando Hamfest in April 1957. It was just an idea Betty and I had. We explained it to the Hamfesters that bright warm sunny afternoon and asked for donations. We went home with 56 dollars to set the world on fire with a publication for all radio amateurs in Florida. We held a meeting in Naples with Hank Hoffman, WN4LQS. Hank was manager of the Collier County Press and agreed to print the publication for us on his Original Heidleburg letter press. Over 6000 samples were sent to all Florida amateurs. From the first mailing in June 1957 we obtained about 420 new members. The price was $1.00 for 4 pages. The name FLORIDA SKIP was selected, and we were in business. FLORIDA SKIP caught on fast and grew fast. Within 4 months our copy input increased to 12 pages and within a year to 16 pages. With the increase in pages we raised the subscription price to $2.00 back in July of 1958. Throughout the year to the present we have held that price. Through many postal rate increases, plus other increases, we fought hard to keep the price down to only $2.00 a year. — I would venture to say we are the only publication in the United States to boast that our subscription rate has remained the same for the past 15 years while continuing to offer a better publication. You may ask "How can you do this?" Simple — Betty, Vance, Bob, our kids and I work many long hours for FREE. We have NO overhead expenses. No rent, no light bill, no telephone bill — nothing. We pay 3 major bills a month — Making-up, Printing and Postage. More increases are on the way. Need I say more?

Effective January 1st, 1974 our 1 year subscription rate will be $3.00 or 2 years for $5.00. That is only a .50c per year increase on a 2 year subscription. Any $2.00 subscription we receive after Jan. 1st, 1974 we will credit for 8 months.

SEASONS GREETINGS TO ALL. The Staff of FLORIDA SKIP, Inc.

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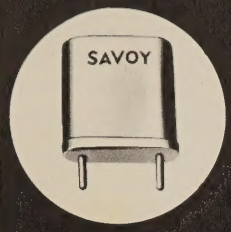

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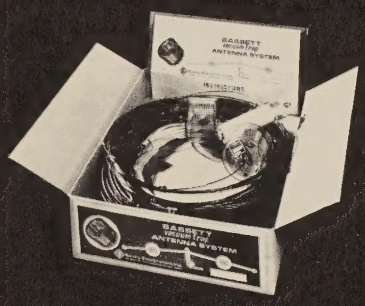

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OLE FRIENDS FROM Florida met at PECKERWOOD Circle in Hendersonville, N.C. for a drink and a lil cheer. Left to right: K4AA and XYL WB4BDV; K4KTO (XYL of W4QS); K4FBU and XYL K4HLH; W4QS. Also present but not in photo were W4WH, W4SJE and W4YK. Cheers! (Photo via K4AA).

AIR FORCE MARS

When things go smoothly, very little except congratulations can be offered to those concerned. This is the case at present in Region 2. The transition back to the region concept went exceedingly smoothly and increased participation is being noted each night. Our former competent affiliate officials were retained and have proven themselves once more. It seems other regions have enjoyed the same benefits as a recent air cast mentioned how pleased HQTRS was with the change.

Speaking of aircasts, I also noted an item in a recent one that touched on a subject that has rankled me for some time. It has to do with the unsolicited spelling of words being sent in a message. The only benefit I can find from this, is if the transmitting station is going too fast for your pencil, it gives you a chance to catch up. Certainly, it slows down getting the message passed when the receiving station has to wait while the sending station is busy showing how well he has learned his phonetics. I think some members forget the receiving station has the perogative of asking for repeats on words he has missed.

By the time this reaches you, with the already poor mail service we now have it will probably be too late for Christmas greetings, but I still send them to you all, with the added best wishes for the new year.

73, BND

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NAVY MARS — SO. FLA.

By Jim Wilson, N0WCK, W4GDK

The major news item is that the early and late SSB traffic nets have been moved to 4040 Khz. The early net is at 2130 Z (4:30 PM EST) and the late net is at 0145 Z (8:45 PM EST). The CW net is on 4040 Khz at 2230 Z. This channel seems much more free of interference and much of the time has satisfactory skip.

Jerry Hohman, our District Director, was in Lakeland for about 8 hours on November 28 and many of the members were able to come over for a visit with him.

NAVMARS 2 meter activity in the Miami area is sparked by N0SEU and N0YBU. Our newest members are N0VFU-T, Ray Beckman, Lakeland and N0VFV-T, James Williams, St. Petersburg.

Our alternate frequency for 4040 is an assigned frequency of 7346.5 Khz.

We wish you all a happy holiday season and hope to see you often on the MARS nets.

AMATEUR RADIO THIRD-PARTY TRAFFIC

By John Deegan, WA4QLZ

Of all the many facets of amateur radio, the handling of third-party traffic must rank as the most important. Third-party traffic is handled in this country and relayed to certain other countries with texts of distress, health and welfare, seasonal greetings, and purely personal matters. Networks have been organized to relay this traffic, and operators have trained themselves to efficiently pass written third-party traffic.

As simple as third-party traffic is handled in the United States, in other countries just the opposite exists. We are in the minority of countries whose governments allow message traffic (and phone patches) to be passed free of charge for a third party over amateur radio circuits. In most countries the communications systems are a government controlled monopoly, and very struct rules exist covering the types of communication that may be carried on amateur radio.

In Miami recently an incident occurred involving a U.S. amateur and a non-U.S. amateur with the passage of third-party traffic across international boundaries.

All amateurs should be cautioned to know and understand international rules and regulations concerning amateur DX communications and traffic handling, and should be aware of DX restrictions on banned countries and message handling. U.S. amateurs may handle third-party traffic only with the following countries: Argentina, Barbados (U.S. stations - 8P only), Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, the Dominican Republic, Ecuador, El Salvador, Greenland (XP amateur calls only), Guatemala, Guyana, Haiti, Honduras, Israel, Jordan, Liberia, Mexico, Nicaragua, Panama, Paraguay, Peru, Trinidad & Tobago, Uruguay, and Venezuela. Certain other agreements exist between the U.S. and foreign countries on the passing of traffic concerning amateur satellite operations, 4UITTU, and Project Hope personnel in Jamaica.

The above list is **ALL** the countries the U.S. presently (12-'73) will allow amateur third-party communication. Due to the close proximity of many Caribbean nations that do not allow third-party communications by amateur radio, Florida amateurs must be aware that third-party communication into the Caribbean is the exception, rather than the rule. As a general guideline, United Kingdom countries do not allow third-party traffic with the United States.

Apparently nothing has occurred concerning the popular Miami amateur involved in the recent incident. Both parties were cautioned by other Miami amateurs on restrictions of communications of this type, and the QSO ended. The foreign amateur was using a portable VP7 callsign. Just a few years ago, another U.S. amateur accepted a request for phone-patch traffic from a European amateur to a person residing in the U.S. In that case, the European received a bill for transatlantic phone call from his government's post and telegraph administration and the U.S. amateur received a citation from the FCC.

Message handling is a simple matter in this country for all amateurs, but when they begin to transmit and receive international traffic — that is the time to understand the implications of international rules and regulations.

AMATEUR OF THE MONTH

By WB4FGL

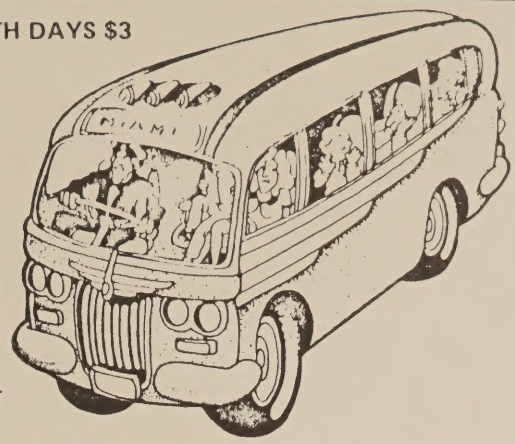
Reverend M. R. 'Andy' Anderson, WB4ESR, Minister of Education at University Baptist Church, Coral Gables, FL. has accepted a call to a similar position at Forest Hills Baptist Church in Raleigh, N.C.

Andy, a regular on the Missionary Net, 21.390 kc at 1900 Z has been instrumental many times in speeding medicines and other emergency supplies to critically ill persons in various missions throughout Central and South America.

A native of Orlando, Andy came to University Baptist over four years ago. For more than two years he has been the only South Florida outlet for the Missionary Net. Andy says there is a real need for South Florida stations on the Missionary Net to run phone patch and other traffic, and on occasion, do a little leg work to help alleviate an emergency at one of the missions.

Andy will be leaving for his new home at 1215 Shincliffe Court, Cary, N.C. on January 7th. His family will follow him about two weeks later.

GIANT HAMBOREE SWAP SHOP – TABLES FOR ONE DAY, $2 EACH; BOTH DAYS $3



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JANUARY 19-20, 1974

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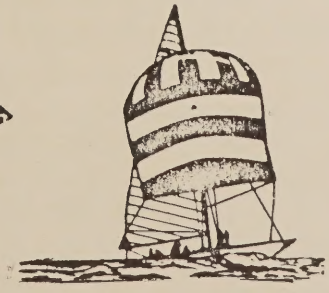

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SUWANNEE QCWA

By Mac, W4WWH

Twenty three members and xyl's were present at the October 27th meeting which was held at the Ramada Inn at Jacksonville.

This was the first meeting with the new slate of officers.

Our only Honorary member, Bonnie Matthewson, was present also. Bob, W4KJL, was our first Vice President at the time of his death.

Our new member Lem, W4CXG, and xyl Anna were welcomed into the Chapter.

By now Jim Crouch, W4BRR and family are in Mobile, Alabama where they have taken up residence. Jim will retain his membership in Suwannee Chapter and will report in on the net as soon as they become established.

The Suwannee Christmas Party will be December 15th at Howard Johnsons, I-75 and Road 26 (Newberry Road) Gainesville. Gifts will be exchanged so each man bring a man's gift and each lady, a ladies gift. Each gift to cost no more than approximately $1.00.

The "Far West" meeting will be held at Ft. Walton Beach January 26th at the Holiday Inn in that city. The cost is $4.00 each for a steak dinner. John, W4WKQ, called in on the net Saturday with this information.

Suwannee Chapter is planning a repeat meeting on February 23rd at the Holiday Inn at Silver Springs.

Invitations will be sent to all Florida QCWA chapters to join us.

QCWA SOUTHEASTERN CHAPTER

W4JO

December 6th, in Miami, with a large attendance, including several visitors made this dinner-meeting a very interesting one. Without going into detail, several discussions and many suggestions were made from the floor, relative to our chapter organization. These plans are being studied by your officers for future presentation, sometime after the Tropical Hamboree.

Each year, the Hospitality Room idea in association with our conventions, is gaining in importance. We urge all members to help us welcome out-of-town Association guests, and get into the statewide planning for the new year. This is your opportunity to give a vote of confidence to all the fine members throughout the state who have done so much for your organization. Chapter members voted unanimously to support this plan and already your chapter President is working on the plans.

Your secretary wishes to thank W4IYT for cutting some 54 address plates and supplying envelopes for membership meeting notices. Andy also presented a net operation plan designed to assist anyone with or without net experience. This four page outline will be distributed through Chapter Chairmans.

We have several copies of the 1973 roster left. Next printing will be just before the Tropical Hamboree and will include the 1974 membership.

Next meeting will be in Ft. Lauderdale, January 5th, Saturday noon, Black Angus Restaurant, N.W. 16 St. on Route 441. This is near the Lauderhill Shopping Center. Bring the wife & friends.

TREASURE COAST QCWA

Herb Cumbs, W4KEB

The fall luncheon meeting was held at The Hilltop House, Ft. Pierce, November 29th. There were 53 members, visitors, and XYLs present. After a very fine luncheon, our chairman, Isaac Roach, K4QM, opened a short business meeting.

The first order of business was a moment of silent prayer in memory of the two members who became Silent Keys the past year.

Grover Gnewuch, W4DFZ
Elmer Moffatt, K4QT

The next order of business was the presentation of 50 year awards to the following members:

Norma Weible, K4HE, 2309.
Ted Krammer, W4NR, 8286
L.J. Ljongquist, W4DWK, 7491
Kenneth Hiler, W4SO, 8241
Richard Purinton, W1SX, 6768.

The following list of officers were elected for the year 1974:

Chairman, Isaac Roach, K4QM, 4651; Vice Chairman, Myron Brown, K4DD, 8429; Sec'y. and Treas., W. Herbert Combs, W4KEB, 6925.

The next meeting of the chapter will be Jan. 25, 1974.

CITRUS QCWA CHAPTER

By Bill Holdich, K4GJ

Citrus Chapter, QCWA held a fall meeting on November 17 at the Hilton South Orlando, with fifty members and guests present. President Kes Schonert, W4GZT presented fifty-year certificates to Neil Jorgensen, K4LFO and Les Wildner, K4QW.

It was nice to see all the vacationing members from the North back home. Very nice to see the Century Kids, Ken and Eunice back from the wilds of Maine. Most interesting Impromptu talks by W3GD-K4GD, Ivan Loucks, former chief of the FCC amateur division and by Frank Kratokvil, K4RE former FCC chief of enforcement. There was also a lively discussion on the proposed CB take-over of the 224-223 Mhz portion of the band.

Next Citrus meeting will be at the Tavares Civic Center on Jan. 26, 1974 at 12:30 P.M. Reservations for luncheon must be made to Ken Aitken, W4FIQ, 1116 Lakeview Dr., Tavares, FL 32778. $2.75-$3.00 — Take your pick. More on details at the Saturday net at 10:00 A.M. around 7248-7250 Mhz. Y'all tune in now y'hear.

Q.C.W.A. — SUNCOAST CHAPTER

Bill Soehl, W4GHR

Our Dec. meeting, with 74 in attendance, was a "whiz-banger". Most members feel that the meetings are mainly to meet & rag-chew with old & new friends but, when a good meal is served, I think it makes for an even more enjoyable meeting.

The Nominating Committee for 1974 Officers, composed of W4BGO, Ben Letson; K4CEE, Chet Bolg and K4FTX, Al Hiser, did an excellent job and presented their choice for our 1974 Officers, which were elected unanimously by the members. Our new Officers will be: Pres., K4FLD, Les Klentz; Secty., W8TV-4, Charles Whysall, and Treas., K4RT, Bill Hall. Many thanks to the outgoing officers: W4AMJ, Frank Lester, W4DN, Vic Gomes, and W4DWD, Jules Bamberg, who did a wonderful job. K4LPT, Bill Grogan received his 50-year QCWA certificate, presented by W4AMJ, Frank Lester.

W9OFO-4, Don Magers told of W4CF, Fred Schnell having received many, many letters of congratulations, from France, on the 50th anniversary of the first Transatlantic contact via amateur radio (see November QST). Fred celebrated his 81st birthday on Nov. 22nd.

SPECIAL-SPECIAL-SPECIAL: Because of the New Years Holiday, our next meeting will be on Jan. 9, 1974, the 2ND WEDNESDAY OF JANUARY. All meetings **after** January will revert back to the first Wednesday of each month.

GATOR CHAPTER, QCWA

By Frank Shannon, K4GT

At this writing, December 5th, we are all looking forward to our coming Xmas-luncheon-meeting to be held December 15th. Each year we have exchanged Xmas gifts, with a limit of two-dollars cost. Each female brings a wrapped and unmarked gift to be deposited in a carton for Girls — and likewise the men attending bring gifts for another male attendee. The gifts are distributed in an "ad-lib" method at an appropriate time during the meeting — and usually lots of real mirth accompanies the gift unwrappings — especially gifts between males! Of course, when you read this column, our Xmas meeting will have come and gone!

Our chapter Prexy, Cap Grigsby, K4MFF, will be looking to Hal Bates, WA4FIU, as Chairman of Nominating Committee, for his report on selection of nominees for ensuing year's (1974) officers, etc.

Our attendance at November 17th meeting was down considerably due to many of our members attending the annual Immokalee Ham-picnic. Hope we can, in the future, avoid this conflicting scheduling. Do hope this national fuel-energy shortage will not reduce attendance at our future meetings!

Speaking of conflicts, our meeting schedules, third Saturdays of the month, prevent your Scribe from writing a "current event" type column due to Skip's "deadline date, 10th of month!"

JOIN OUR SUNDAY NET, 3913 Khz LSB AT 9 A.M. LOCAL TIME! CU NEXT SKIP!

SUWANNEE CHAPTER QCWA

By W4WWH, Mac

The Suwannee Chapter is looking forward to a Christmas luncheon on December 15th, 12M, at Howard Johnsons in Gainesville. From the QRM we read that presents will be exchanged.

The area meeting to organize the "Panhandlers" is shaping up nicely. John, W4WKQ in Shallimar, has forwarded a list of about 50 names as potential members and they will receive invitations. The meeting will be held following a lunch at the Holiday Inn in Ft. Walton Beach January 26th at 12M CST.

The Suwannee Chapter net meets each Saturday on 3940 at 9 A.M. Ken, W4FYE is

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Our President, Carl K4WJ, always has pertinent information on expanding the Chapter and refining rules as conditions dictate. He is to be commended on his dedication to the QCWA.

We lost a fine member when Jim Crouch and family (W4BRR) moved to Mobile.

We are planning a repeat meeting at the Holiday Inn in Silver Springs on February 23rd. We hope that many members of other chapters will again be present.

SINGLE SIDE-BANDERS ASSOCIATION

By Lee L. Kanarian, K4WXS

This month is a very busy one, what with the Holidays so close, parties, elections, etc. As the deadline for Skip comes before the Side-Banders election of officers, the results will have to wait to be reported next month.

On December 16, after our regular Sunday evening meeting, our members entertained Santa Claus for the kiddies, and those children who spoke with him over the air, had a fine time, telling him what they wanted, hoping he would bring it. It was fun, and we thank those who helped make it so, particularly W4OVE, Vance and K4SCL Woody.

To W4OGX Bill and W4DEJ Art, who were both very ill, we send our greetings, and want them to know how pleased everyone was to hear them back on the air.

So nice to hear WB4QZO Irene Schmutz (Secretary to Mr. Weaver at the Boys' Ranch) check in with us at the meetings Sunday afternoon, ove the Boys' Ranch station WB4PHT. We get some news of the progress up there, and have recently learned that she and some others are taking a mail order course in Amateur Radio, and enjoying it. Also, enough interest has been generated among the folks up at Live Oak, that not only the Ranchers but the staff have been studying for their licenses. For now, WN4BTM Jerry, WN4BTN John, WN4BYH Avery and WN4BYP Wayne have gotten a foothold, and as soon as they have worked up to "generals" we look forward to quite a number of check-ins from Live Oak. Congratulations.

Season's Greetings to all from the Single Side-Banders.

LAKE AMATEUR RADIO ASSN. — K4FC

By Lloyd Lovassen, K4JDX

The following slate of officers for the Lake Amateur Radio Association for 1974 were nominated at the regular business meeting Dec. 6th: President Jim Cain WB4LYU, Vice President Lloyd Lovaasen K4JDX, Secretary Ken Aitken, W4FIQ, Treasurer Carl Glover K4BIO, Board members Homer Hexamer WB4ZJY, Howard Bowman K4TB, Reid Martin W4VDY, Gus Goings WA4CPL.

By the time this issue reaches you, the annual LARA dinner, known as "Ladies night," will be over and we hope that everyone came away enjoying the get-together with old friends and fellow radio amateurs. The program featured Buddy Mason K4DEN speaking on his travels with the NASA and experiences on Madagascar. Thanks to Ken W4FIQ, chairman of the dinner committee and all others assisting for making this an enjoyable event.

Best wishes to all for a happy new year from the Lake Amateur Radio Association.

ST. PETERSBURG AMATEUR RADIO CLUB (SPARC)

By Lee L. Kanarian, K4WXS

The Holidays are fast approaching, and the Christmas spirit is in the air. Parties are being arranged all about, and sounds like a good time should be had by all. SPARC members enjoyed the get together at the December meeting, with a covered dish supper. The YLs outdid each other with their special dishes — the result, good eating!

The order of business for the evening was election of officers for 1974. Our congratulations to the new Officers, who are Pres., W4ACG John Smith; Vice-Pres., WB4LZM Virgil Elder; Sec'y., WB4RIL Dot Patterson; Treas., W4TDK Naomi Spence; Trustee, K4PMK, Curt Haseltine.

Our best wishes for a speedy recovery go to WA4HNY Tom Murphy and K4KKK Jim Clark, both in the hospital. One couldn't think of Jim ever being incapacitated; he's always there, ready to help whenever and wherever he's needed, especially with antennae. Just a short time ago, despite his years — he's a senior, senior citizen — he was busy on the roof of K4WXS Lee's new QTH, helping W4ANL Harry put up the new mini-quad, moving about like a real young 'un. We miss you.

The Sparcyls (the YL licensees of SPARC) had their annual Christmas party December 9, at the QTH of K4CSC Edna

MEMBERS OF THE Immokalee Hamfest Committee: Nash Lloyd WA4DEE and Jim Lester, W4VGE. Two amateurs put on a GREAT FEAST-FEST. See Third Immokalee Hamfest elsewhere for details. (Photo by W4BAV).

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Wentworth. We all had a good time; exchanged gifts, ate lots of goodies with no attention paid to calories, and had plenty of yak-yak without interference from the OMs.

Greetings to all for a Happy Holiday and a Healthy New Year.

BROWARD A.R.C.

By Jim Wilson, W4GDK

All of us are, of course, looking forward to the Club's Christmas party on December 14 at The Reef. It will be a good chance to "chew the fat" with our club friends.

Due to the F.P. & L. strike, our November meeting was held at the Broward County Courthouse. It may be that some additional meetings will have to be held there instead of at the F.P. & L. Bldg., as indicated in our club notice in Florida Skip. If you do not get the club mailing we suggest you call either 731-4145 or 566-0839 to get the place of the meeting.

At November meeting the following were voted into the club: Dr. Francisco Carmona HK1CRX, Harry Belove K4EKA, Gerald Berkowitz K4JHS and Don Briehler, Associate Member.

Our meetings are on the second Friday of each month and we would enjoy meeting anyone interested in amateur radio.

TAMPA AMATEUR RADIO CLUB

By Frank Shannon, K4GT

Our clubhouse building has been "tented" for termite treatment and it is assumed we are rid of bugs — except for the normal "Ham-bugs"! Our TARC treasury, also, will be somewhat "tented", following payment of the bill!

Our Prexy, WB4RHY, has started on the preparations for the annual TARC participation at the Florida State Fair in Tampa during early February for two weeks duration. TARC, starting in 1927, has continuously (except WW2 years) participated by installing its club radio station, W4DUG, in a booth at the fair. The club membership, augmented by volunteers, have manned the booth during these two weeks, accepting amateur radio messages and transmitting them, via amateur radio, to their far-off destinations. Our outstanding TARC member Seward Van Patten formerly assisted by his wife, Helen, has manned the booth during the daylight hours during these past years. Helen became a "Silent Key" earlier this year. No doubt that Van will need assistance this year. John Fogarty has been in contact with Mae Burke and her OM, Al, and as in previous years they will set up a schedule for CW stations for each evening of the fair. Our Prexy will appreciate your volunteer to assist at this public-image and public-service event. We are especially in need of CW operators!

DON'T FORGET THAT YOUR TARC CLUB DUES ARE DUE!! MAKE A NEW YEARS RESOLUTION TO ATTEND MEETINGS! C U NEXT SKIP!

CLEARWATER AMATEUR RADIO SOCIETY

Lonesome George — WB4WWM

The Officers for the New Year are: President, Don Lindsay, K4HNJ; Vice President, George Green, WB4WWM; Secretary, Dave Morrison, WA4FTS; Treasurer, George Redfern, W4OZW & Radio Officer, Max Friedman, K4CNO. Various Committee Chairmen will be announced at a later date. The Club would like to thank Nellie, WB4FVN for supplying all the "goodies" at our meetings this past year.

Lou Weber, K4HWS; Lou Braun, K4SYO and Roy Anderson, K4FRZ were given the task of securing a new meeting place for the club. Thanks, fellows, a job well done. As of Jan. 1974, the C.A.R.S. will hold their meetings on the 2nd & 4th Thursdays of the month at 7:30 P.M. in the Fellowship Hall of the Episcopal Church of the Good Samaritan, located at 2165 N.E. Coachman Road, in Clearwater. Everyone is welcome.

Max, K4CNO, our Radio Officer, would like to thank everyone who participated in the club's public display at the Sunshine Mall. Congratulations to Dave, WA4FTS on getting his General.

SARASOTA AMATEUR RADIO ASSOCIATION

By Cathy Soehl, W4BAV, ARNS

SARA November meeting was well attended, at their new meeting place: Main Fire Station, 1445 - 4th St., and all got the "low down" on building & operating slow scan T.V. WB4SIR, Philip Lum brought his equipment and gave a demonstration.

K4GKI, Win & Flo Morris were to leave Dec. 9th for a Caribbean Cruise, but had to cancel reservations several weeks prior due, first, to the "bug" biting Win, which laid him low a couple of weeks. During this time, Flo drove up to mail a letter and seeing a neighbor girl at the mail box, having trouble starting her car, parked in back of her, was getting out to help, when she started up & hit Flo's car, causing her to fall. Fortunately, after some tests, there were no bones broken, but bruised and sore.

WB4JSZ, "Newt" and WB4PXN, Nesta Magnuson returned after spending several months at their Michigan farm. Welcome!

WA4GRM, Russ Brackett entered the Doctors Hospital for observation, account of a heart condition.

WB4ISZ, Jim Hall in Sarasota Memorial Hospital for an emergency operation Nov. 30th. Trust he has recovered.

The Code & Theory Class is progressing & glad to hear Marge Laurent, XYL of K4FQO, Don is a member. Looking forward to lots of new hams. Please advise any new calls.

MEN (Manasota Emergency Net) still active with increased check-ins on 10 meters & 2 meters FM Tues. P.M.

HOLLYWOOD AMATEUR RADIO CLUB

By Minnie Levine, WA4RLS

The Hollywood Amateur Radio Club wishes the Amateur Fraternity a very healthy, happy, and prosperous full of DX New Year, for 1974.

The new officers for 1974 were installed at our annual dinner which was held at Williamson's Restaurant. Our new President is Brother Lester W4ZJX, V.P. is Manny Henrick WN4YMW, Corr. Sect. is Eleanor Crane WB4TIV, Recording Sect. is Alice Stracuzzi WN4ZTC, Comm. Officer is Charlie Stracuzzi WB4UNV and Treas. is Minnie Levine WA4RLS.

The following awards were presented by the new President: For straight key sending. First Gary Toncre WN4FYZ, Second Evan Derison WA4BTQ, Third Barry Leiba WN4GAJ. For the Home Brew Contest, First Charlie Stracuzzi WB4UNV, Second Barry Leiba WA4GAJ, Third Manny Henrick WN4YMW. For contest participation, Tim Cotton K4DBZ. A special award was presented to Gene Crane WB4AUU for his outstanding contribution to the good and welfare of the club. Plaques were awarded to the Outstanding OM WB4UNV and YL WA4RLS.

The Ham and Hobby Fest scheduled for May 4 is deep in the throes of organization, and HARC will again have a booth at the Dade Hamboree with a Heath HW12 transceiver and a 24 hour Tymeter clock to be raffled. C U THERE.

WEST PALM BEACH ARC

By J.L. "Lu" Arendell, WB4RLU

During the month of November the club was reorganized as provided by the by-laws and charter. Our new president is William "Bill" Howell, WB4PQB, a charter member and communications officer of the American Red Cross. Under the new structure, the club will have a board of directors that will provide more administrative stability and organization.

The Palm Beach County AREC is going to sponsor, WC4SFF, a special events station at the South Fla. Fair, in January. The club voted to support the effort in co-operation with The Gulfstream Society of Radio Amateurs, of Lake Worth, and The Gold Coasters, of Delray.

We welcome home "Britt", WB4TDZ, and "Twisty", W4DWK, a couple of regulars that have been away for a few months.

Gene, W4BRB, went on a DX-Pedition to the beautiful island of Tobago, ("The Land Of A Thousand Eyes"), for the 160 meter contest. Unfortunately, he was swamped the second night by late summer static.

"Hams Have More Fun" bumper stickers are still available, see Hambar. All of our novice candidates are now licenced, bringing our membership to 60.

New on "2" — Bob, WB4PUX. 73.

NORTHERN FLORIDA NEWS

By Frank M. Butler, Jr., W4RKH

WA4IZM runs 200 watts output now on 146.52 FM. WB4BFO and WB4MED moved their WR4ADL repeater to 07-67. K4VND earned FAST Net certificate. WB4QNW was awarded a certificate for his many months service as NCS on NFPN. WB4-JHQ sends OB's on 3957 Khz and 50.7 Mhz.

The PARC Swapfest in Fort Walton will be held March 31. New officers of the Panama City ARC are: WB4TMJ, W6DSD-4 W4RKE and WB4NEQ. The Apalachicola Seafood festival attracted W4UXW, WB4HTT, WA4ALF, WB4ALF, W4BYE and WA4DEN, all hosted by K4BDY.

W7EM-4 was appointed ORS and will add to Jacksonville CW net coverage; he has worked TWN, PAN and TCC. His XYL is W7VTJ-4. WB4PNG is back as QFTN Manager.

The Jax RANGE Assn. repeater has several pre-recorded announcements and other functions available through TT access. Sounds great! New officers of NOFARS are: WB4FSG, President; WB4SCA, WB4TTD, W4VLK and W4ZTW. A big hamfest is planned for the Jax area March 29-31.

WB4VMP, EC in Sanford, started local net on 21.415 Khz at 7:00 P.M. Mondays. W4MEL gave an interesting talk on RFI at recent Daytona Beach club meeting. K4RNS is back on VEN after fixing rig trouble. WA4ONZ lost his antennas in a windstorm. WB4VTB is putting up antennas at new QTH.

Good to hear W4YSO back on again. WA4DWR renewed OO apointment. K4CVO, Inverness, handled emergency traffic for W8VIK-mm, disabled at sea; W8JBC acted as relay.

FLORIDORA YLS

By Cathy Soehl, W4BAV-ARNS

The Floridoras were well represented at the Immokalee Hamfest, Nov. 17th. Those

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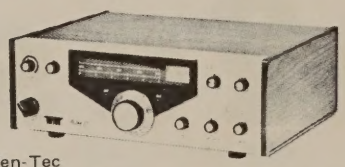

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A VLF PRIMER

In the years following the first transcontinental, and even transoceanic, broadcasts on low frequency, the general trend among users of the radio spectrum has been toward the higher frequencies. They are less noisy, require shorter antennas, and less susceptible to skip (and even groundwave) interference. As a result, the vast majority of hobby radio receivers are designed to ignore the frequencies below the standard broadcast band. But take it from a frequency hunter, the wavelengths are active at 600 meters and longer.

Just below the BC band (400-500 khz) Coastal stations abound with CW to oceanic vessels; 500 khz is authorized for calling and distress. Traffic is composed of everything from weather updates, news flashes, and co-ordinates to messages from home and chit-chat.

A great deal of U.S. Coast Guard activity is also present in that band of frequencies, including the AMVER (Automated Merchant Vessels Report) system, a codified CW protection system to assist any possible search and rescue efforts.

From 200-400 khz we encounter the aeronautical beacons, recognized by their modulated-CW call letters and recorded weather announcements; they are found by the hundreds all over North America and even on oceanic islands. The enormous signal from LORAN-C is encountered at 100 khz, providing pulse data for radionavigation. Military and commercial fixed CW, FAX, and RTTY are found from 100-200 khz. Time and frequency measurements may be made from WWVL (19.9-20.0 khz) and WWVB (60 khz). For the more ambitious antenna erectors, try intercepting foreign and U.S. military naval stations: GBR (Rugby, England) is on 16 khz; the Russian Navy is on 16.5 khz in Siberia. You should be able to hear powerful NAA in Cutler, Maine, running two million watts! Frequency allocations stop below 10 khz, so you're free to set up your own transmitter down there; but your half-wave antenna will have to be twenty miles long!

For more detailed information, you may wish to consult my recent book, Confidential Frequency List, published by Gilfer Associates. I have a limited number on hand which I will be happy to send postpaid at $4.00 each. Happy Hunting!

Bob Grove, WA4PYQ,
846 Rutherford Lane,
West Palm Beach, FL 33406.)

THE WEST PALM BEACH Set up a complete amateur radio station at the South Florida Fair using the special call sign of WC4SFF Jan. '73. The same station is planned Jan. '74 under sponsorship of WPB AREC group. Operator on duty WB4UHB. (Photo by WA4HXZ).

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attending were: WA4HED; K4CSC; K4HSC; WA4EDL; W4AAB; K4JNC; WB4QDE; WB4WPZ; W4GGQ; W4WYR; WB4NYN; & W4BAV. Fine food and good time had by all.

K4JNC (ex: W8ATB), Esther Stuewe welcome to the Floridoras. Esther & OM, K4JNB (ex: W8QBO), John are now living in Bonita Springs, enjoying retirement.

WA4EDL, Nancy congratulations on your appointment as Asst. Cashier of the Installment Loan Dept., The National Bank of St. Petersburg.

K4WXS, Lee Kanarian, our Treasurer, new address is: 6100 Gulfport Blvd., Apt. 415, St. Petersburg, Fla. 33707. Send her your dues, payable as of Jan. 1st.

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QFTN NOTES

By Tom Young, WB4ZZB

As you know, QFTN has been in trouble because for lack of participation. We need all the QNIs possible to help keep QFTN alive.

Congratulations to George, W4WZR, for his fantastic job of keeping QFTN skeds. The net has not missed a nite since it has been without a Manager. Not much traffic but at least it is active.

WB4ZZB, Tom has taken over QFTN managership until we can get another one. My schedule is indefinite but I will do my best to promote the net and get more participation. Thanks for your support in advance. Won't you help us please? 73, Tom.

GATOR NET

By George E. Cooper, W4EH

To recognize the outstanding performance of members of Gator NET who have been selected as "GATOR OF THE MONTH" an operating achievement award certificate will be issued to all members so selected. There are currently 14 holding this award. With WA4IJH, Mac, Venice first selected and will be issued Certificate Nr. 1. These Gator Net certificates are being made possible through the cooperation of Andy Clark, W4IYT and the facilities of Florida Skip and I want to take this opportunity to thank Andy for his help in this matter.

Andy, W4IYT checked into Gator Net Nov. 9 with QRP 2 watts (see front cover Nov. 1973 QST) with an outstanding signal. Just goes to show you what can be done with QRP.

The month of November showed an increase in all statistics of Gator Net. If you would like to join us 7115 kHz, 1300 GMT daily. 73, W4EH.

FLORIDA FAA NET

By George E. Cooper, W4EH

My apologies for my missing column of Florida FAA net news last month, but it appears that between QST and CQ they sure keep me busy with all the different contests. I must confess I am a real contest nut.

My congratulations to Ted Wayne, WB4CBP, elected Vice-Director of the Southeast Division, ARRL. Good luck Ted.

FAA skeds you may be interested in: W4POV Charlie Hess, 14072, Wed.-Fri., 10 A.M. EST; FLORIDA FAA NET each Sunday, 3950, 1430 GMT; FAA (W4JVA NCS) each Monday, 14240, 1630 GMT; FAA CW NET each Monday, 14072, 1600 GMT; and WB4BZW-W4EH each Sat., 7190, 1700 GMT.

I am pleased to announce that Al Hendrick, K4PH is again checking into the net and is on the road to recovery from his tower accident.

FLORIDA MIDDAY TRAFFIC NET

By Al Suhr, WB4AID

Happy New Year! Hope you had a nice Christmas, too. FMTN member, Ted Wayne, WB4CBP, Vice Director of the Southeastern Division, is really on the road now.

A Super Big "Thank You" to Nash Lloyd, WA4DEE and Jim Lester, W4VGE, both of Immokalee, for putting on their friendly, fraternal Feastfest. They are the only hams in that town and saw to it that everyone enjoyed everything.

As this is being written, many thoughts return to the FMTN member Key made Silent on November tenth. Bill Smith, W4ZAK, passed away in his sleep during that night.

We hear that Blake, WA4ALN-4, formerly our contact member in Key West is quite ill. Also, we regret that Jim Roland, son of Herb, W4LSR and Elinor, WA4ITP, was seriously injured on November 17th in a motorcycle accident.

From the BIG HEADSET on the NET: Joe, WA4JSK, checks in from the Georgia Tech Ham Station, W4AQL, when classes permit. Ed, K4ELL, checks in and covers Miami. W4FPC, Mac, is going strong between apples, HI! Clyde, W4SDR, FMTN Manager, really had a bad day on December 3rd when long skip isolated him as NCS. He thanks everyone for their patience and helpful relays.

New members or reinstatements during November were: Bud, K4EIK, Palatka; Bonnie, WB4FSF, Sanford; WB4WYG, Bill of Rockledge; Burt, W4MKH, Homosassa; Nat, W4YSO, Winter Park (with a new antenna).

The Florida Midday Traffic Net, in November, held 26 sessions, with 707 stations participating. Traffic handled was 291 pieces. Average stations, 27.2; Average traffic 11.2.

Listen for WC4SFF as it checks in the last week in January.

DADE EMERGENCY NET

Woody Anderson, K4EBK
Net Manager

As this is our first column, we would like to tell you a little about the net.

The Dade Emergency Net meets each Wednesday evening on 146.940 Mhz at 8 p.m. local time. The net meets for the purpose of training amateur radio operators in written traffic handling. The net will meet for only one hour per week. We invite all amateurs to check in.

The net will handle any written traffic in stardard ARRL form for amateur radio relay throughout the United States and Canada.

The net was organized in March 1973 by John, WA4QLZ and Andy, W4IYT. The present net manager is Woody, K4EBK and the assistant net manager is Jay, WB4HDZ.

A typical month of operation was November 1973 when we had 146 check-ins and handled 41 pieces of traffic from West Palm Beach to Key West in the four sessions held.

Certificates are awarded for five consecutive check-ins or ten in one year. So far, 33 amateurs have qualified.

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By W4KGJ & W4RKH

1.	W3CUL-4	2041	11.	WB4OMG	97
2.	WB4AIW	765	12.	K4SJH	91
3.	K4SCL	622	13.	W4DQS	69
4.	W3VR-4	532	14.	WA4EYU	80
5.	WA4IJH	255	15.	K4CVO	77
6.	WA8ZDE-4	155	16.	W4BM	73
7.	WB4DXN	129	17.	WB4MJV	63
8.	WB4VYU	126	18.	K4BLM	60
9.	W4LSR	111	19.	W4EH	54
10.	W7EM-4	98	20.	W4WYR	41

TRAFFIC HOUNDS

By W4KGJ

Net	QNI	Avg.	QTC	Avg.	Sessions
FMTN	707	27.2	291	11.2	26
GN	314	10.46	252	8.4	30
FAST	1285	21.4	503	8.3	60
FPTN	498	19.1	209	8.0	26
NFPN	617	20.6	113	3.8	30
TPTN	336	12.9	84	3.2	26
QFTN	159	7.2	22	1.0	22
VEN	207	7.1	31	1.0	29
QFN	Missing.				

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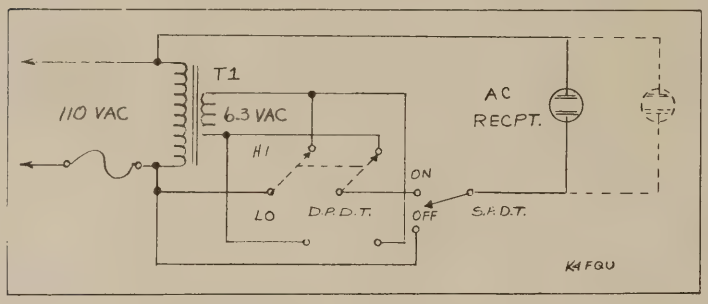
Simple Soldering Iron Heat Control

Stan Bittner, W4JKK

A small increase in voltage will often times let those little pencil type soldering irons do work they are not designed to do. At the same time, reducing the voltage will save many a corroded tip. Here is an easy system that will increase the line voltage slightly for heavier work or decrease it slightly to save the tips. It also provides for normal voltages.

The transformer is a 6.3 volt filament transformer which can usually be found in any junk box. The HI-LO switch is any D.P.D.T. and the ON-OFF switch is a S.P.D.T. All components can be mounted in a deep duplex outlet box together with as many convenience outlets as desired. The fuse is optional and a pilot light may be desirable.

The resulting voltages should be near 110VAC standard line voltage plus 110-6.3- 116.3VAC or 110-6.3VAC-103.3 VAC.



THE KNIGHT'S OF THE KILOCYCLE
by W4NGR the Master-Oscilator

On November 4th, 1973, the Knights of the Kilocycle (we believe the oldest of organised amateur radio nets) met, as it has for the past forty years, for their meeting Nr. 2010 Post War Nr. 1440.

The Knight's of the Kilocycle had it's beginning back on Christmas Day of 1929 when a small group of Florida Amateur's got together, on the air, using AM rigs for a round-table of QSO's.

Tony, W4JQ, of West Palm Beach is about the only one left of the original group and I believe he could tell you a very interesting story of how the 'Knights' dot their start, their history and who some of the old timer's were at that first meeting. Many are now "silent keys." The idea of numbering the meetings came about some two or three years later. Each member was assigned a number. (New members are required to call in ten consecutive Sundays in order to qualify for a certificate and a number.

There are now over 300 certificated members in the history of this organisation, but, of course only about 25 to 40 are active. It is those of you who hold a certificated number, and are not silent keys, that we invite to gather with us on the 3910 Kc frequency each Sunday morning at 7:30 AM (Eastern or Daylight Savings) time. Let your voice and call-sign be known.

This organization is unique in that the President of the Knight's is called the Master-Oscilator, the Secretary is call the Speach-Amplifier. The immediate Past MO is the Buffer-Doubler.

For many years the only mode of transmission was on AM OR IF YOU HAD RIG TROUBLE YOU COULD CALL IN ON CW or from another member's QTH in order to keep your place in the roll-call. Many of us struggled to get up to the top spot only to find it was occupied year in and year out by Tony, W4JQ. The only way to dislodge Tony was conspired in a change of the by-laws that now limits the time you can stay on top to ten times. Tony was the first member to go to side-band on the Knight's and he took a lot of 'ribbing' on the way his signal sounded so bad to us on ancient modulation. Gradually, one by one, we saw the error of our ways and all went to SSB.

We have also changed the term of office of the MO, Sp. Amp. and Buf-Doubl'r to three months and it makes it a lot nicer on all concerned. Walt, W4PWB, was MO January through March; Ray, WB4KLD, had his second go April through June of this year; Gil, WB4QPW, July, August and September and now yours truly will have it the rest of this year. I have as my Speach-Amplifier Ernie McMasters, W4KOH, of Lake Placid (W4BCZ is her OM). Before Ernie was Cuddy, WA4SII, who gave out the birthdays and anniversaries of the members.

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ADVICE TO INEXPERIENCED KIT BUILDERS

A lot of customers ask me, "What is the most common mistake made by kit builders?" My answer would be soldering. Over 90 percent of the kits returned for service require only resoldering them to make them work. I think a few hints would be helpful.

A. — First, make a tight mechanical connection. Do not depend on the strength of the solder to hold the connection together.

B. — Heat both the wire and the foil or terminal strip lug. They must be hot enough to melt the solder without touching the solder to the iron. Solder must flow freely around and through the connection for a good, shiny joint.

C. — Many builders are stingy with the solder. Don't be afraid to use enough.

D. — Check the joint and make sure it is not a resin joint. This means that not enough heat was used. (Re-heat so that the solder sticks to both wire and the foil or terminal strip lug.)

The next most common error is the switching of part values. Be careful of these combinations:

a. Capacitors - .005uf for 500 pf

b. Resistors - 47k for 4700, 22k for 2200, etc.

c. Diodes - either installed backwards or of the wrong type.

d. Wires on wrong foil or terminal strip.

e. Terminal strips with grounded lug interchanged.

f. Electrolytic capacitors in with incorrect polarity.

Loose hardware usually causes instability, oscillations or intermittent operation of a kit. Put enough torque on screws and bolts to insure a good connection, but not enough to crack a PC board.

Lead dress and general neatness is very important, especially in RF circuits. Try to dress all wires close to the chassis. Leads of components should be only as long as necessary. VHF parasitics usually occur with a kit assembled in haywire fashion.

(de Modulator Via THE GROUND WAVE)

Even when a girl is pretty as a picture, a man still likes to look at the frame.

If you are willing to admit faults, you have one less fault to admit.

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BROWARD AMATEUR RADIO CLUB W4AB
2nd Friday each month 7:30 PM.
FLA. POWER & LIGHT BLDG.,
501 So. Andrews Ave., Ft. Laud.
Mailing Address: P.O. Box 8673
Ft. Lauderdale, Fla 33310 More info. call 731-4145, 566-0839. Use Rear Door.

LAKE AMATEUR RADIO ASSN., INC., K4FC
Meets each Thursday 8:00 P.M. EST
Clubhouse, Springdale Ave.,
Bassville Pk., between Leesburg
and Tavares, Florida.
Mail to
Lake Amateur Radio Assn., Inc., K4FC
c-o C. F. Cooper, Secretary
P.O. Box 224
Umatilla, FL. 32784
Telephone 904-669-2275

HILLSBOROUGH AMATEUR RADIO SOCIETY, INC. WA4GJJ
Meets 4th Tuesday, 7:30 P.M.
N. Tampa Chamber of Commerce Bldg.
8100 Nebraska Ave., Tampa
(33612) Visitors always welcome.

EVERGLADES AMATEUR RADIO CLUB INC. W4SVI
Meets on second Friday, 7:45 P.M.
Dade County Agricultural Bldg.,
18710 S.W. 288 Street
Homestead, Florida 33030
2 Meter Net Wed., 7 P.M. at 145.5 MHz.

DADE RADIO CLUB, INC.
(W4NVU) 1st & 3rd Tuesday.
Museum of Science, 8 P.M.
3280 So. Miami Avenue
Miami, Florida
Mailing address: P.O. Box 73
Biscayne Annex
Miami, Florida 33152

ST. PETERSBURG AMATEUR RADIO CLUB, INC. W4GAC
Meetings: 1st Friday
Red Cross Hq.
818 - 4th St. North
Mailing address: P.O. Box 4026
For information phone: 527-4781, 526-1836.

ORLANDO AMATEUR RADIO CLUB, INC. W4PLB
3rd Wed., 8:00 P.M.
First Federal Savings & Loan
on Edgewater Drive. Mailing
Address: 8024 Charlin Parkway,
Orlando, Fla. 32807
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DAYTONA BEACH AMATEUR RADIO ASSOCIATION, INC., K4BV meets at 8 p.m., 3rd Monday monthly, Bellair Bowling Lanes, Bellair Shopping Center, Daytona Beach, Florida. Mail: P.O. Box 1608, Daytona Beach, Florida 32015.

DADE COUNTY AMATEUR RADIO PUBLIC SERVICE CORPS, W4EHW
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TAMPA AMATEUR RADIO CLUB, INC. W4DUG
Meetings: 1st & 3rd Mondays
7:30 P.M.
Club House: Davis Islands,
Columbia & Barbados
Mailing Address: 943 Cimmeron Ave.,
Tampa, Fla. 33603

WEST PALM BEACH AMATEUR RADIO CLUB, INC. W4HAW
P.O. Box 6834
Southboro Station
West Palm Beach, Florida 33405
Meetings: First Wednesday of each month
7:30 P.M.
823 Newark Street
West Palm Beach, Florida 33401
Information: Call 686-4766 or 622-4728

VERO BEACH AMATEUR RADIO CLUB
Meets 8 p.m. 2nd & 4th Thursday each month at Civil Defense Office, 1729 - 17th Ave., Vero Beach.
Secretary-Treas. Charles E. Wise,
2625 - 47th Ave., Vero Beach, FL 32960.

TAMPA BAY REPEATER ASSOCIATION
WB4HAE
Meets second Tuesday each month at 1930
WTVT STUDIOS
3213 W. Kennedy Blvd.
Tampa, Florida
Mail to P.O. Box 2812,
Tampa, Florida 33601
Phone 689-6510

CLEARWATER AMATEUR RADIO SOCIETY
Meets 2nd and 4th Tuesdays at 7 P.M.
at Florida Power Linemen's Hall,
2166 Palmetto St., Clearwater.
Pres. W4SPA
Visitors warmly welcomed.

PLAYGROUND AMATEUR RADIO CLUB
Mailing Adress: P.O. Box 873
Ft. Walton Beach, Fla. 32548
Meetings—Social Meeting 1st Thursday,
Business Meeting 3rd Thursday.
Meet at the old Police Station on 1st St.

SARASOTA AMATEUR RADIO ASSN. INC.
Meets 3rd Tuesday, at 8 P.M. every month except July & August.
Coast Federal (S. Gate Branch)
R 41 at Bee Ridge Rd.
Mail to W4ZBU
Club call W4IE in memory, Charlie Service.

PANAMA CITY AMATEUR RADIO CLUB, INC.
W4RYZ meets each Wednesday at Clubhouse,
130 N. Church Ave., Panama City, FL 32401.

GULFSTREAM SOCIETY of AMATEUR RADIO OPERATORS, INC. WB4FPB
Meets first Friday each month
8 P.M. at Lake Worth Civic Center.
P.O. Box 461, Lake Worth, FL 331460.
John Fulford, WA4VPY, Secty. Phone 686-8553 Day or 683-2971 night.

GULF COAST AMATEUR RADIO CLUB, INC. meets 3rd Thur. 7:30 PM in the community room at the Clearwater Federal Savings and Loan, Southgate Shopping Plaza on U.S. 19 at New Port Richey, Fla.
Mail to: Herbert W. Yeager, Pres. K4ELH; 229 Thrush Dr., New Port Richey, Fla. 33552

HOLLYWOOD AMATEUR RADIO CLUB
3rd Monday of month at 8 P.M.
Science Lab, Chaminade High School
51st Ave. and Johnson St., Hollywood
Mailing Address: P.O. Box 6306,
Hollywood, Fla. 33021 WB4TON
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Sociedad Internacional de Radio Aficinados, Inc. (SIRA) Reuniones el 3er Domingo de cada mes, a las 11:00 A.M. En los estudios de la WFAB, 1779 W. Flagler St. Ciudad de Miami. Direccion Postal P.O. Box 71, Miami, Fla. 33148.

BRANDON AMATEUR RADIO SOCIETY WB4RNC
Meets second Mon. 7:30 P.M.
First Federal Hospitality Room
420 Brandon Blvd. (Highway 60)
Mail Address: P.O. Box 828,
Brandon, Fla. 33511 Phone 689-2816

NORTH FLORIDA AMATEUR RADIO SOCIETY, W4IZ.
Meets 2nd Thursday 7:30 P.M. Duval CD Hq., 107 Market St., Jacksonville, FL 32202.
Correspondence to: Jim Morgan, W4VLK,
5012 Perrine Dr.,
Jacksonville, FL 32210.

SOUTH FLORIDA F.M. ASSOCIATION
WB4HAA - Repeater
P.O. Box 25
Miami, Florida 33143
Meetings: Third Monday at 8 P.M.
University of Miami L.I.R.C. Building

FLORIDA RTTY SOCIETY sponsors Florida RATT Net nightly, 3620 Khz. at 6:30 PM (2330Z) 850 Cy shift. For details check-in or write: Neil Nichols, WA4WIW, RTTY-RM N. Fla. 3039 Mango Tree Dr., Edgewater, FL 32032.

PLATINUM COAST AMATEUR RADIO SOCIETY.
Meetings 2nd Tuesday of each month at the National Bank of Melbourne and Trust Company, Melbourne, Florida, 32901.
Club address: PO Box 1004.
Club meeting time is 1930.

INDIAM RIVER AMATEUR RADIO CLUB (W4NLX)
Meets 4th Tuesday at First National Bank, Merritt Island—7:30 PM Mail c-o 240 Carib Dr., Merritt Island, FL 32952

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QCWA GATOR CHAPTER, Tampa Bay area, meets 3rd Saturday at Noon, Causeway Inn (On Tampa end of Campbell Causeway) October thru May. Weekly net Sunday 9 A.M., 3913 KHz. More info from: A. H. (Dave) Davis, W4GQ, 6971 Grand Vista Way, S., St. Petersburg, FL 33707. Phone 813-437-6937.

QCWA CITRUS CHAPTER. Meetings, Orlando (Fall), Tavares (Winter), Daytona (Spring), Orlando (Hamfest). See news column for dates and places. W4GZ President, W4CNV, Secy.-Treas.

QCWA SUWANNEE CHAPTER. New Saturday 9 a.m. on 3940 with W4FYE NCS. K4WJ Pres., W4UCF V.P., W4SZ Treasurer. Mail inquiries to Secretary F. S. McCullough, W4WWH, Rte. A-2, Box 236, Dunnellon, FL 32630.

FORT MYERS AMATEUR RADIO CLUB
Meets 1st Wednesday of month at 7:30 p.m.
First Federal Savings & Loan Assn.
Pondella Road (SR-78-A)
North Fort Myers
Sec.: 641 Polk St.
Ft. Myers, Fla. 33901

Q.C.W.A. — SUNCOAST CHAPTER. From TAMPA south to MARCO ISLAND. Meetings are held at Davey's Locker Room, of the Windjammer Restaurant, 7100 South Trail, (U.S. 41) the first Wednesday of each month. For information contact: Bill Soehl — W4GHR, 647 Jungle Way, Sarasota, Fl. 33580. Phone: 355-5814.

Q.C.W.A. — SOUTHEAST CHAPTER. Monthly meets first Thursday at 6:30 p.m., Smitty's Coffee Shop, 3200 N.E. 2nd Ave., Miami. Pres. W4GJ, VP K4TT, Sec.-Treas. W4JO. Details call 751-6146.

GOLD COAST FM REPEATER ASSN., INC. WR4ACV, Freq. 146.22-146.82. Meetings 2nd Monday during odd months. Mail address: P.O. Box 313, Boca Raton, FL 33432. Emergency Net meets each Thursday 7:30 p.m.

DID YOU KNOW. . . .

. . . that the earliest description of a radio transmission system was written by Dr. Mahlon Loomis on July 21, 1864 and demonstrated at Bear's Den, Virginia in 1866.

. . .that a public demonstration of the wireless transmission of **speech** was given in the town square of Murray, Ky. four years before the first patent was issued to Marconi. The inventor, Mr. Nathan Stubblefield, died destitute in 1928.

. . . that Pi equals 3.14159265358979 plus and has been calculated to 500,000 places.

. . . that the world's most powerful sound system is located at the Ontario Motor Speedway in California. Its output is 30,800 watts which drive 335 horn speakers.

. . . that there is evidence to believe that a carbide filament light bulb in the fire station in Livermore, California has been burning since 1901.

(in R.F. NEWS)

VHF'ERS ROOST

By Frank Shannon, K4GT

MANASOTA 2M FM EMERGENCY NET. A group of FM'ers located in Sarasota and Manatee counties, jointly, have formed a 2M FM net for emergency purposes. They meet every Tuesday at 7:30 P.M. local time. They first check-in on 146.94 Simplex, then shift frequency to 146.46 Mhz. Your Scribe learned of this net via WA4VLG, Bill, St. Petersburg; W4ZBD, Paul, Bradenton; and WB4HZE, Norm, of Anna Maria Island. Bill stated that he counted approximately some thirty check-ins. This column would appreciate news of other similar nets.

6M FM REPEATER NEWS. An article published in PARC's "Relay Chatter" written by WB4AXF, Jim Strange, Lake Wales Amateur Radio Club, is quoted (in part): "Updating 6M activity in Florida for those on 52.525 Mhz, three new repeaters have been applied for and in the testing stages. Davenport has a tower 250 ft. high and is awaiting issuance of FC license. The location of Davenport repeater is approx. 18 miles north of Lake Wales. Tampa has a new 6M repeater in progress and testing soon underway, with antenna atop one of Tampa's tallest buildings, over 200 ft.! Orlando has a 6M repeater on the way — testing to start soon. The "output" frequency for the aforementioned new repeaters will be 52.525 Mhz. Jacksonville has been operational for quite awhile.

POLK COUNTY CD NET. Meets every Wednesday evening at 8 P.M. local time on 50.4 Mhz. Also conducts "on the air ' code practice from a speed of three wpm to 30 wpm! Check-ins from other counties and on occasions a few out-of-state stations participate. You are invited to check-in! (Via WB4AXF).

FOR 6M DX'ERS. A writer signing "Dan" submitted the following info: "The Chicagoland 6 Meter Net is on 50.125 Mhz Sundays, 9 P.M. (Chicago local time). The Secretary-Treasurer is WA9FXT. The Wolverine VHF Net is on Sundays 10 P.M. EST, 50.115 Mhz, contact K8AEM for details." Thanks, Dan! You "DX'ers" try to contact during a future "skip" period.

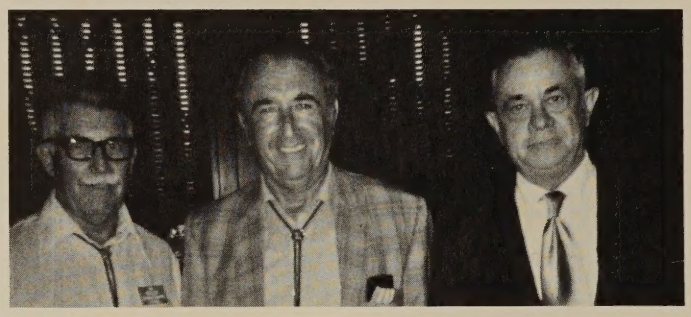
ACTION. Stands for "AMATEUR COMMUNICATION TO IMPROVE OUR NATION"! It also is the name for a new monthly publication for amateurs of Jackson, Michigan and vicinity. "ACTION" is the name for their 2M FM repeater, WR8ABZ! Your Scribe would appreciate hearing from any visitor to Florida regarding Jackson's "ACTION" group. Thanks to whomever placed our name on their mailing list! Their Editorial Offices mail address is P.O. Box 187, Grass Lake, MI., 49240.

S.E. FLORIDA. Our correspondent, Joe, WB4OSN, usually writes each month furnishing news from his area. No letter, so far, therefore SKIP's deadline date, December 10th, prevails! Sorry!

CU NEXT SKIP!

FROM HERE 'N THERE

Here's another renewal. Best 2 bux deal around. Even a more it can't be beat. Gat WB4SHB . . . Very satisfied with SKIP and would subscribe even if your are forced to raise price. It's very interesting to know what is going on in Fla. and the Hambar of course is a great service. Ed Moran WN4AJM, Merritt Island . . . Saw good publicity on Dade AREC in WORLD-RADIO NEWS. Maybe we will copy here as CD is now DB or nothing. Hi Phil McMasters W4BCZ, Lake Placid . . . Still enjoy Skip more than any other amateur publication. Jim WA4BPE, Stuart . . . GREAT! How about a lil more emphasis on 2 meter SSB, the group is growing. Holzwag WB4EBH, Cocoa . . . SKIP is still our Favorite ham pub. Don't see how you can do it! Carolyn Tripp, WB4GIS, Miami . . . I along with thousands of other FLORIDA SKIP fans, really appreciate your diligent efforts to keep FLORIDA SKIP on the "ham scene". Thanks for everything! Ruth Christian WA4HED-N0XZA, Ft. Lauderdale . . . Have not missed an issue since this paper got started. Congts on running a fine one. Reid Martin W4VDY, Tavares . . . Why don't you raise the subscription price? I can't think of a single thing that hasn't gone up. I doubt very much if you would lose subscribers if you did! I'm not sure your holding the line on price gets you the appreciation you deserve. 73 Bob David W4YK, Clearwater . . . More next month.



PAST QCWA OFFICERS of Suncoast Chapter: W4DN, Secty.; W4AJM, Chairman; W4DWD, Treas. Taken at Windjammers a year ago. (Photo by W4BAV).

LETTERS . . .

(Continued from page 2)

other news from FCC, etc., of any publication I subscribe to.

Take it from an old newspaper man from Chicago (ex W9GLM) that it couldn't be beat. Nuff said.

Frank G. Ryan, W4DJA
Seminole, Fla.

(Editor: Coming from an old newspaper man — those are powerful words. Thanks!)

Editor:

I really enjoy the SKIP. I'm sorry I won't be at the ARRL Convention in Miami this year to personally renew my subscription as I have done in the past. I'm a very proud member of the Southern Country Cousins. Being originally from Georgia, I know lots of the fellows and gals on the cousins. So, thanks for a wonderful paper and keep up the good work. A transplanted Texan.

73,
Honey, WA5FQJ,
Pasadena, Texas

Editor:

Just pack from Europe. OZ6H, Henry, says HI to all his old Florida friends and will say it in person when ten meters opens up to Denmark. He works only 10, but has all sorts of TV and RTTY equipment. Also visited OZ4PB, Poul who is known as "The Cannibal" around his town of Spjald. Poul is reputed to have recommended eating the Chinese messboy while adrift over a month near Tasmania. (And he tells it for a fact!)

73,
Bert Berthelsen, W4IOI
Ormond Beach, Fla.

Hi Andy:

Here's for next two years, and I trust the important announcement tipped isn't that you're giving up the ghost with FLA. SKIP. Not only don't see how you do it at the rate, but also can't understand how the bigtime ham mags manage to get so many hams to pay so much for so little. We know the facts of life about publishing costs and inflation, but those who drum the info. we don't have, into hams, don't say how they expect those of us at the bottom rung to keep pace, in a hobby where store gear and push-button operation and 'phone have redcued the hobby to a nostalgic recollection of the good old days that never were. The XYL's who run washers and dryers and such also accumulate skill at it, and ye new hams seem to fit more and more into the same category. (Aren't we all?)

Hadn't seen Jim Kellow's poem before. It has merit, too. Frankly believe such occasional departures from shop talk do the hams more good than Contests, Club News and exhortations for "public service," as the latter was outlined 'way back. A new concept of ham service is badly needed — ham radio contributes much that is infinitely more useful than competing with the mail. We haven't improved the latter a whit by our contribution, either!

73 to all at SKIP
Cliff Galloway, W4YHZ
Cocoa, Fla.

Editor:

After all the trouble I went through getting my FP&L QSL cards, they sent my WN4ZVF cards and I got them the day after I passed my General exam. I requested my General QSL cards from them and they arrived as WA4ZVF. Does the real WA4ZVF want 100 nice FP&L QSL cards? Thanks to FP&L anyway!

73,
Jay Garlitz, WB4ZVF
2250 NE 192 St.
North Miami, FL 33160

Dear Editor:

Making this as a letter to the Editor of an all ham publication that helped my license plate collection, more than any other media.

The response was something beyond ones imagination! I started keeping track of tags received thru the "SKIPS" sponsorship, but soon lost track. Thirty-eight beautiful plates from a "SKIP" subscriber in Illinois — no less. Many, many plates from Fourth Call area as well as letters. Total count — I have no idea — but in excess of seventy-five.

Enclosed kindly find a year's membership to Florida Skip. I appreciate the publication doing an outstanding job on my license plate project.

73,
Press, K1BCS
Webster Lake
West Franklin, NH

(Editor's note: Glad to be of service, and we appreciate letters like yours OM.)

— HOLIDAY TIMETABLE —

	1974		1975		1976		1977		1978		1979	
NEW YEAR'S DAY	T	Jan 1	W	Jan 1	Th	Jan 1	S	Jan 1	Su	Jan 1	M	Jan 1
*SUPER BOWL	Su	Jan 13		January*		January*		January*		January*		January*
LINCOLN'S BIRTHDAY	T	Feb 12	W	Feb 12	Th	Feb 12	S	Feb 12	Su	Feb 12	M	Feb 12
ST. VALENTINE'S DAY	Th	Feb 14	F	Feb 14	S	Feb 14	M	Feb 14	T	Feb 14	W	Feb 14
**WASHINGTON'S BIRTHDAY	M	Feb 18**	M	Feb 17**	M	Feb 16	M	Feb 21	M	Feb 20**	M	Feb 19**
ASH WEDNESDAY	W	Feb 27	W	Feb 12	W	Mar 3	W	Feb 23	W	Feb 8	W	Feb 28
ST. PATRICK'S DAY	Su	Mar 17	M	Mar 17	W	Mar 17	Th	Mar 17	F	Mar 17	S	Mar 17
GOOD FRIDAY	F	Apr 12	F	Mar 28	F	Apr 16	F	Apr 8	F	Mar 24	F	Apr 13
PASSOVER	Su	Apr 7-	Th	Mar 27-	Th	Apr 15	Su	Apr 3-	S	Apr 22-	W	Apr 11
	Su	Apr 14	Th	Apr 3	Th	Apr 22	Su	Apr 10	S	Apr 29	Th	Apr 19
EASTER SUNDAY	Su	Apr 14	Su	Mar 30	Su	Apr 18	Su	Apr 10	Su	Mar 26	Su	Apr 15
MOTHER'S DAY	Su	May 12	Su	May 11	Su	May 9	Su	May 8	Su	May 14	Su	May 13
**MEMORIAL DAY	M	May 27**	M	May 26**	M	May 31	M	May 30	M	May 29**	M	May 28**
FATHER'S DAY	Su	Jun 16	Su	Jun 15	Su	Jun 20	Su	Jun 19	Su	Jun 18	Su	Jun 17
INDEPENDENCE DAY	Th	Jul 4	F	Jul 4	Su	Jul 4	M	Jul 4	T	Jul 4	W	Jul 4
LABOR DAY	M	Sept 2	M	Sept 1	M	Sept 6	M	Sept 5	M	Sept 4	M	Sept 3
JEWISH NEW YEAR	T	Sept 17	S	Sept 6	S	Sept 25	T	Sept 13	M	Oct 2	T	Oct 2
YOM KIPPUR	Th	Sept 26	M	Sept 15	M	Oct 4	Th	Sept 22	W	Oct 11	W	Oct 10
WORLD SERIES	2nd week in Oct		2nd week in Oct		2nd week in Oct		2nd week in Oct		2nd week in Oct		2nd week in Oct	
**COLUMBUS DAY	M	Oct 14**	M	Oct 13**	M	Oct 11	M	*Oct 10	M	Oct 9**	M	Oct 8
ELECTION DAY	T	Nov 5	T	Nov 4	T	Nov 2	T	Nov 1	T	Nov 7	T	Nov 6
**VETERAN'S DAY	M	Oct 28**	M	Oct 27**	M	Oct 25	M	Oct 24	M	Oct 23**	M	Oct 22**
THANKSGIVING	Th	Nov 28	Th	Nov 27	Th	Nov 25	Th	Nov 24	Th	Nov 23	Th	Nov 22
CHANUKAH	M	Dec 9-	M	Nov 29	F	Dec 17	M	Dec 5-	M	Dec 25	S	Dec 15
	M	Dec 16	M	Dec 6	F	Dec 24	M	Dec 12	M	Jan 2	S	Dec 22
CHRISTMAS	W	Dec 25	Th	Dec 25	S	Dec 25	Su	Dec 25	M	Dec 25	T	Dec 25

M — Monday T — Tuesday W — Wednesday Th — Thursday F — Friday S — Saturday Su — Sunday

*Dates for the event not set at presstime. Check league office for possible dates. **Monday holiday law effective 1971 for all states ratifying.

HAMBAR

HAMBAR services of radio equipment ONLY will be available to all our subscribers, amateurs or non-amateurs, at a rate of 50 cents for 35 words, and 5 cents a word thereafter. NO AD WILL BE PRINTED UNLESS ACCOMPANIED BY FULL REMITTANCE! Rerun ads must be resubmitted each month, no $1.00 for two insertions, etc. No Hambar accepted via telephone.

Non-subscribers rate is $1.00 for 35 words and 5 cents each additional word.

To Commercial Business: Classified, undisplayed — 50 cents per line. Illustrative or General Display with border — $3.50 minimum, $60. page, including lay-out.

Deadline 10th of month for all ads.

FLORIDA SKIP, INC., Advertising Department, P.O. Box 501, Miami Springs, FL, 33166.

FOR SALE: HALLICRAFTERS SR-150, CW SSB Xcvr., 5 bands, built in VOX with Push to talk mike, matching a.c. supply, spare tubes. Fine operating condition. Bargain at $250.00 cash. Frank Feiner, W4JVR, 1330 W. 54th St., C-212, Hialeah, FL 33012. Phone 305-558-4679.

FOR SALE: Pearce Simpson VHF marine radio $150.00. Ross Sportsman portable depth finder 0-80 feet. $60.00. Julius Lewis, 6501 Winfield Blvd., Margate, FL 33063. Phone 305-971-2262.

FOR SALE: HW101, HP-23A, mobile mount $210.00. HW-12A and d.c. supply $100.00. Newer HW-12A and d.c. supply $140.00. Mobile KW amplifier compact with a.c. and d.c. supplies $150.00. Hustler standards 80, 40, 20, 15, 11, 10 meters. $50.00. Hustler 40 and 20 KW $10.00 each. Webster Big K 75 meter with mast $25.00. SB-610 scope $50.00. Viking II with VFO $40.00. James Blaske, 413 So. Ocean Blvd., Pompano Beach, FL 33062. Phone 305-943-3479.

WANTED: Dual rotating lights, bar or not, for car. State color, number of lights in each beacon, size, condition and price. Tom Smith, WB4RGQ, 5375 Duke St. No. 1216, Alexandria, VA 22304. Phone 703-751-1592.

ANTIQUE TUBES and Book list. SASE for latest issue. George Haymans, WA4NED, P.O. Box 468, Gainesville, Georgia 30501.

FOR SALE: National NCX-5 transceiver VX-501, VFO console, NCX-A power supply with speaker console. NCX-3 DC supply, turner model 22D dynamic mike, all manuals and cables included $525.00 package deal. W. Blakslee, W3BGR-4, 2510 Wisteria St., Sarasota, FL 33579. Phone 958-4751.

WANTED: Two coax connectors for Phelps-Dodge Q-Flex FX-cc12-50H cable, either type 20-500 or 22-500; also need surplus conn-insulator for UHF Discone. Roy L. Simonds, W4RLR, 427 Lucile Way, Orlando, FL 32811.

TRANSFORMERS REWOUND: Jess Price, W4CLJ, 507 Raehn St., Orlando, FL 32806. Phone 305-425-7251.

FREE FREQUENCY check on your 2 meter equipment. Tony's Radio will offer this service free of charge at the Miami Hamboree and Broward Auction Fest. Remember: our motto is "Sales with Service" Se habla Espanol. Tony Urbizu, WB4TED, Ft. Lauderdale, Fla.

FREE RADIOGRAM BLANKS to all Florida Traffic men and women at the Miami Tropical Hamboree. Stop by SKIP booth and sign up for a good supply. Hamboree Committee.

FOR SALE: HT-37, SX101A, mint condition, on air daily. Tower 34 footer, Mosley 3 element full size 20 meter beam, prop pitch rotator, linear, apir 813's. Elect. Annalyzer MM-2, Gonset phone patch, power supply can deliver 4000 volts. 6 foot commercial cabinet. On the air, always a potent signal. Ed Vernier, W4HTH, 6935 - 9th Ave. No., St. Petersburg, FL 33710. Phone 341-4371.

FOR SALE: Make an offer — Heath SB-200, almost new finals. Heath HD-10 electronic keyer, Hustler Newtronics mobile antennas 10-80 meter and mast. Bill Pope, K4VDQ, 2028 Cocos Ct., Winter Park, FL 32789 Phone 305-843-3520 or 671-1822.

FOR SALE: COLLINS KWS-1 and 75A4, Heath SB630 station console, HA-1 Keyer, and mike. All equipment in operating and with manuals $695.00. S. W. Craddock, WB4NHC, 1318 SW 13th Dr., Boca Raton, FL 33432 Phone 305-391-3132.

B.A.R.C. AUCTION. We wouldn't want you to miss the Annual Auction of the Broward Amateur Radio Club because we neglected to bring it to your attention. Plan ahead so that you will be at the Cafeteria of the Broward Community College, Fort Lauderdale, March 2, 1974. Plenty of free parking space and hams eager to buy your excess gear. XYLs FREE! — Auction Committee.

WANTED: E Z WAY RBZ-75-3 crank up tower. Will pay cash. Call or write. **FOR SALE:** Mosley 40-80 traps $35.00 James Bolliger, WB4GPD, 3425 Gleaves Ct., Apopka, FL Phone 862-8885.

WANTED: Emergency Coordinator for Sarasota County. He or she must hold a Tech or higher class license, be an ARRL member and have a desire to set-up emergency communications within the county. Apply to SEC or SCM, So. Fla. We need you.

SIGNAL ONE OWNERS. List of all modifications-useful block DWG, transmit and receive. Shows pin interconnections and sig levels. List of SS with specs, prices, substitute only $2.00. One complete updated manual $10.00. SIGNAL ONE, Box 4121, Patrick AFB, FL 32925.

FOR SALE: GLADDING-25, factory modified for 12 transmit and 14 receive channels. Fully crystalized (26 xtals). Vanguard 102 pre-amp and ASP-358 mobile skirted gain antenna with new bumper mount. All Mint. Package worth $450.00, sell for only $250.00. Marshall Goldblatt, W4EMB, 11801 SW 70th Ave., Miami, FL 33156 Phone 305-666-6997 after 6 p.m.

FOR SALE: DRAKE equipment R4B, T4XB, MS-4 and AC-4. Three special crystals, pair of unused matched finals. Absolutely prime condition all for $760.00. F. S. McCullough, W4WWH, Rte. A-2, Box 236, Dunnellon, FL 32630 Phone 489-4063.

FOR SALE: Scott hi-fi all wood enclosure with speaker 22 x 12 x 11 $12.00. Dynakit Mark II, 50 watt amplifier. It uses two 6AC7-EL34 tubes with 16 or 8 ohms output, very clean $16.00. Harmon-Kardon "Rondo" FM tuner $10.00. Heath dual channel hi-fi pre-amp, mixer $9.00. All prices F.O.B. Andy Clark, W4IYT, 41 Lenape Dr., Miami Springs, FL 33166.

To all Clubs, Nets and other groups who want to hold a meeting at the Hamboree-ARRL Convention in Miami in January, and wish to have it listed in the program: Contact DRC Convention Chairman immediately. Meeting rooms will be allocated on a first come, first served basis. See QTH in Hamboree Ad.

FOR SALE: College expenses, like new Clegg FM27B, new a.c. supply $425.00 or make offer. Tom Smith, WB4RGQ, 5375 Duke St. No. 1216, Alexandria, VA. 22304. Call 703-751-1592 before 3 p.m.

WANTED: ALL Florida amateurs, make plans now to participate in our 10th Annual Florida QSO Party the last week-end in April. Stop by SKIP booth at Miami Hamboree for rules and regs. Editor.

FOR SALE: SB-220 2KW linear amp. spare 3-500Z, shokes, resistors, built 8-73 $340.00. Viking II with VFO TVI filter, TR relay, xtals, reconditioned $30.00. Mike for 10 meter fone for Viking II $8.00. SB-610 monitor scope $50.00. Two 40 ft. telescoping kpoles galv. $18.00 each. Pick up only on above. Heath EV-638 dynamic mike $18.00. Helium filled 3-band trap dipole 75-40-20 with hardware $40.00. James Blaske, 413 S. Ocean Blvd., Pompano Beach, FL 33062. Phone 305-943-3479, call first.

FOR SALE: Hy-Gain TH6DXX beam $80.00. Pick up only. Stan Offenhutter, K4BLM, 250 SW 45th Ave., Miami, FL 33134. Phone 305-443-7340.

FOR SALE: COLLINS KWS-1, 6 band transmitter with a.c. supply. Almost new 4CX250Bs. Perfect condition. Ser. No. 240. Will deliver within 200 miles. Best offer over $425.00. Doug Jacques, WA4QIM, 1644 Mill Creek Rd., Jacksonville, FL 32211. Phone 904-725-5473.

SELL: GREAT Novice or second receiver. Heath HR-10B, mint $35.00. Duane Farmer, 1721 Paula Dr., Tallahassee, FL 32303.

FOR SALE: Hustler mobile antenna 400 watt with 15, 20, 40 and 75 meter traps and mount, nearly new, no corrosion $45.00. Heath model HM-102 RF power SWR meter $20.00. B&W little dipper model 331 $50.00. Lloyd Lovaasen, K4JDX, Route 6, Box 61-A, Leesburg, FL 32748. Phone 904-787-0431.

FOR SALE: Gladding 25 with preamp and fully xtalized. 1 year old, complete with tech manual $210.00. Mark Zegel, WB4SDI, 328 SW 16th Ct., Ft. Lauderdale, FL. Phone 305-523-8087.

FOR SALE: DRAKE 2B, 2BQ $175.00. Hallicrafters HT-37 SSB, CW, AM, 170 watts $150.00 or best offer. Ted, WB4WIQ, 3625 Leota Dr., Winter Park, Sanford, FL 32703. Phone 305-322-1645.

FOR SALE: Heathkit Impedance bridge mod. 1B2A with manual $50.00. Oscilloscope model WO88A, good condition $35.00. Triplet VOM mod. 630, used $35.00. Heath capacitor checker model 1T-11, good condition $20.00. Heath signal generator with manual $20.00. Omega noise bridge HF model TE7-01 $18.00. 500 watt variac $10.00. BC-221-AH frequency meter with a.c. $40.00. Al Staffa, WB4AJQ, Rt. 1, Box 172, Jupiter, FL Phone 305-746-4586.

TELETYPEWRITER parts, gears, machines, manuals, supplies, toroids, SASE for list. TYPETRONICS, Box 8873, Ft. Lauderdale, FL 33310. W4NYF. Wanted: all parts, late machines.

CW Mans deluxe transmitter. Homebrewed in 1971 per ARRL 1967 Handbook. Uses a total of ten 813's, two in parallel each band for maximum output. Class C. Simple wiring, designed to last. In two racks, less exciter. Includes 7 meters, power supplies, blower, control panel 220 V or 115 V. Built in TR switch. Price $250.00 FOB. James Blaske, 413 So. Ocean Blvd., Pompano Beach, FL 33062. Phone 305-943-3479.

FOR SALE: Heath KW dummy load. Heath solid state VOM, $10.00 each with manuals. You pick up. H. Hale Hursen, K4FJT, 4610 NE 15th Ave., Ft. Lauderdale, FL 33308. Phone 305-771-5137.

FOR SALE: Hammarlund receiver HQ110AC with manual, mint condition. Will trade or sell. Want transceiver. Len Kravitz, WA4FDO, 160 Royal Palm Rd., Hialeah Gardens, FL 33016. Phone 305-823-3862.

SELL: Finney 6 and 2 meter antenna. 8DB gain 6 meter, 20.5 DB 2 meters. $15.00. Local pick up. Lesley W. Williams, W4ERZ, 2866 NW 34th Terr., Ft. Lauderdale, FL 33311. Phone 305-731-7013.

FOR SALE: Drake 2B receiver $185.00. Hallicrafter HT-37 transmitter $250.00. Trans-key, transisterized electronic Keyer $30.00. All equipment in excellent condition. Leonard Coats, WN4CQU, 3301 N. State Rd. 7, Hollywood, FL 33021 Phone 305-987-6961 days or 987-3570 evenings.

FOR SALE: Latest Heath fish and depth finder, 60 to 240 feet range, used once, perfect, sell for $80.00 or trade for good general coverage receiver. Jess Price W4CLJ, 507 Raehn St., Orlando, FL 32806 Phone 305-425-7251.

FOR SALE: Standard 19 inch, black enclosed BUD rack to accept 35 inches in panels. Has back door and trimmed in chrome. Excellent for test equipment or home brew units. $10.00 (no ship). RME 152A VHF Converter for 10, 6 and 2 meters $10.00. FOB. Andy Clark, W4IYT, 41 Lenape Dr., Miami Springs, FL 33166.

FOR SALE: TEN TEC PM-2 transceiver in fine condition, covers 80, 40 and 15 meters. Recently factory checked with AC-3 random wire tuner $45.00. Ed Mammond, 1322 SW 21st Way, Delray Beach, FL Phone 305-276-5766.

SAVE GAS! Rent a bus, pick up your friends and come to the Broward Amateur Radio Club Auction March 2, 1974.

SILENT KEYS

We are deeply sorry to record the passing of the following amateurs:

K4QT, Elmer G. Moffatt, Ft. Pierce.

W4ZAK, William Smith, Tampa.

K4LCN, Walter A. Kent, Ft. Lauderdale.

COMING EVENTS

Jan. 19-20 — Miami Hamboree.
Jan. 26-27 — Annual ARRL S.E.T.
Mar. 2nd — Broward Auction.
Mar. 9-10 — Treasure Coast Hamfest, Vero Beach.
Mar. 30-31 — Jax Hamfest.
Mar. 31 — North Fla. SWAPFEST.
Apr. 27-28 — Fla. QSO Party.
June 15-16 — Orlando Hamfest.
June 22-23 — ARRL Field Day.
Sept. 7-8 — Melbourne Hamfest.

EX CALLS

There seems to be no end of EX-CALLS in Florida and that's good. Have you sent in yours? Editor.

W4BNI ex 4SM, KZ5RY.
WB4BUV ex WA8DRX.
WB4AFQ ex VS6BF.
K4PF ex W3AE.
K4SN ex VP7TAJ, W7NFO, W5YGV, W1DKL, K0CHN, W0JHL.

K4PI ex K2PI, 3PA, 3PI.
K4DRV ex W8FGS, 8BFO.
WB4FRO ex W1FRU.
WB4ODO ex WA8ACQ.
W4BNE ex W8GHI, W8QUK.
K4JJI ex W9KHJ.

K4UE ex W1AEM, W1FD, W1AG.
K4GXU ex W3KAB, W8GLP, 8BMQ.
WB4FSA ex WB2EVF.
WA4FRZ ex WB2EVE.
W8GB ex W8FY, 8FY, 8BZD.

$60,000 REPEATERS

Have you ever tried to contact a HAM in Japan? You just can't always get through.

Have you ever wondered what it costs for a permanent connection?

The information below is from the book **Voiceway to the Orient,** U.S.-Japan Telephone Cable by Louis Solomon.

Underwater telephone cable links between Makaha Beach, Oahu (Hawaii Island) and Sagam Bay, Japan. Cable runs from Hawaii to Midway, to Wake, to Japan — 5300 nautical miles. It has 128 telephone circuits and cost 80 million dollars. This system was inaugurated June 18, 1964 by a phone call from the late President, Lyndon B. Johnson to Premier Hayato Ikeda.

The cable has a repeater each 20 miles that boosts the signal 100,000 times. Each repeater costs $60,000 and there are 274 repeaters in the cable. It took 63 weeks to make each repeater. In each repeater is 58 capacitors, 48 inductors, 3 gas tubes, 6 transformers, the crystal unit and thousands of other parts.

The cable has a 20 year reliability even at 5 miles under the ocean, but will probably last years longer.

Hope your next DX to Japan is 599, if not, use one of these 128 circuits in an emergency. 73,
Clark, WN4DLL
GTE, Tampa.

SEASONS GREETINGS from the Staff of Florida SKIP. Back: W4IYT, Editor; Anne (14) Mail Dept.; Betty W4GGQ, Business Mgr.; Mary (14) Mail Dept.; Andy Lee (15) Sorting-tieing-hauling dept.; Front: Jane (8); Nancy (12) and Joan (8) address helpers. Also not in photo W4FWI, Vance, sorting-tieing Dept. and WB4-FGL, Bob and Pat Denton, proof readers.

R.A.C.E.S. IN FLORIDA

By Charles W. Walters, W4HMO
Communications and
Warning Officer

The Federal Communications Commission implemented and authorized RACES on August 15, 1952. The FCC Rules and Regulations, Part 97, Subpart F outlines the RACES provisions. We, in Florida, are grateful for this vital emergency communication service and to the many dedicated Amateur Radio Operators who contribute to its success.

The Florida RACES Communications Plan is for the purpose of establishing a Direction and Control as well as an Administrative Communications Network serving the State of Florida through the four Florida Civil Defense Areas, the fourteen Florida Civil Defense Districts and the sixty-seven counties. Existing statewide communications systems have specific responsibilities relating to their civil defense functions (i.e., Police, Fire, Rescue, Engineering, Radiological, etc.). The utilization of the Amateur Radio Service, its operators and stations, to form the State of Florida Radio Amateur Civil Emergency Service (RACES) Communications Network for Civil Defense has been determined the best means of providing the Command, Control and Administrative Communications services required for Emergency Civil Defense Operations. The Radio Amateur Civil Emergency Service (RACES) Communications Networks function in accordance with the Federal Communications Commission, Rules and Regulations, Part 97, Subpart F - Radio Amateur Civil Emergency Service (RACES).

Liaison is maintained with DCPA Region Three, Thomasville, Georgia, and other states on assigned RACES frequencies and using the Civil Defense National Voice-Radio-Teletype Systems.

During periods of natural disasters it may become necessary to establish liaison with recognized Amateur Radio Nets operating within the State of Florida, DCPA Region Three and the continental United States for handling emergency communications relating to the health and welfare of the citizens of Florida.

In the event of a natural disaster civil defense emergency the Communications-Radio Officer, Division of Emergency Government is authorized to request Declaration of Emergency Operations pursuant to the Federal Communications Commission, Rules and Regulations, Part 97, Subpart D - Operating Requirements and Procedures, 97.107 - Operation in Emergencies and Part 97, Subpart F - Radio Amateur Civil Emergency Services (RACES) through the Commission's Engineer-In-Charge, Radio District 7, Miami, Florida.

(PART II NEXT MONTH.)

OM & XYL COLUMN

By CASE, W4NGR

The December, 1973 issue of Florida Skip featured the picture of a married couple with, practically, the same call letters. (Harold and Joyce Geinaw; WA4ALF, WB4ALF). This prompted us to start an OM & XYL name and call-sign column. Here are a few to start with:

Mike & Anda Lee; (our newest) K4WKY, WB4NCH.
Andy & Betty Clark (Ed.-Mgr. Fla. Skip) W4IYT, W4GGQ.
Roy & Louise Carpenter; K4EJW, W4ZHG.
'Case' & 'Cuddy' Case; W4NGR, WA4SII.
Hal & Evelyn Shea; W4BKC, K4UIZ.
'Conc' & Irene Conklin; K4LPS, K4LPV.
Earl & Shirley Hill; W4UFR, W4WPD.
Phil & 'Ernie' McMasters; W4BCZ, W4KOH.
Bill & 'Fran' Foley; W4WME, W4BIL.
Walt & 'Mim' Cook; K4VNA, W4IUR.
Walt & Edna Wentworth; W4PWB, K4CSC.
Herb & Elinor Roland; W4LSR, WA4ITP.
Carl & Evelyn Gauzens; W4DTJ, W4WYR.
'Whee' & Lucille Vining; W4LDM, W4KZT.
Ken & Georgia Denman; K4NTB, K4ZXS.
Herman & Carman Agostini; WB4FJY, WB4FTN.
Jack & Pam Rathmell; WB4TTW, WB4YTX.
Art & Karine Norman; K4AAI, WB4GZN.
Bill & Karren Shilson; WA4AGX, WB4AGX.
Bob & Nellie Colbert; K4GBE, WB4WBB. (Nellie is ID of Orlando repeater, WB4QEL.)

There are more of you, OM-XYL families, out there in FLORIDA SKIP-land, so write and let us know who you are. 73. W4IYT, editor Florida Skip.

TRAFFIC NETS

Net	Fqcy.....	GMT
GATOR	7115	1330
QFNE	3651	2400
QFNL	3651	0300
QFTN	3715	0200
4RNE	3567	0045
4RNL	3567	0230
5RNE	3645	0130
5RNL	3645	0330
FPTN	3940	1200
FMTN	7247	1700
TPTN	3940	2200
FAST E	3940	2300
FAST L	3940	0330
NFPN	3957	2330